

Substitute for form 1449A/PTO (modified)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

JAN 08 2004

Page 1 of 4

Application Number

10/696,478

Filing Date

Oct ber 29, 2003

First Named Inventor

Stephen L. Crooks

Art Unit

Unknown

Examiner Name

Unknown

Attorney Case Number

57069US039

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
SH	A1	US- 3,314,941	04-18-1967	Littell et al.	
	A2	US- 4,689,338	08-25-1987	John F. Gerster	
	A3	US- 4,698,348	10-06-1987	John F. Gerster	
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	A6	US- 5,037,986	08-06-1991	John F. Gerster	
	A7	US- 5,175,296	12-29-1992	Gerster	
	A8	US- 5,238,944	08-24-1993	Wick et al.	
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	A19	US- 5,741,908	04-21-1998	Gerster et al.	
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	A21	US- 5,939,090	08-17-1999	Beaurline et al.	
	A22	US- 6,039,969	03-21-2000	Tomai et al.	
	A23	US- 6,069,149	05-30-2000	Nanba et al.	
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	A26	US- 6,194,425	02-27-2001	Gerster et al.	
	A27	US- 6,245,776	06-12-2002	Skwierczynski et al.	
SH	A28	US- 6,331,539	12-18-2001	Crooks et al.	

*Examiner:

E. Huang

Date Considered:

5/11/04

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	Art Unit	Unknown
	Examiner Name	Unknown
	Attorney Case Number	57069US039

U.S. Patent Documents					
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SH	A29	US- 6,376,669	04-23-2002	Rice et al.	
	A30	US- 2002/0055517 A1	05-09-2002	Smith	
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	A32	US- 6,451,810	09-17-2002	Coleman et al.	
	A33	US- 6,518,265	02-11-2003	Kato et al.	
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	A35	US- 6,541,485	04-01-2003	Crooks et al.	
	A36	US- 6,545,016	04-08-2003	Dellaria et al.	
	A37	US- 6,545,017	04-08-2003	Dellaria et al.	
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	A43	US- 6,664,265	12-16-2003	Crooks et al.	
SH	A44	US- 6,667,312	12-23-2003	Bonk et al.	

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		Ctry. Code	Number-Kind Code (if known)				
SH	B1	PCT	WO 01/74343	10-11-2001			
	B2	PCT	WO 02/36592	05-10-2002			X
	B3	PCT	WO 02/46188	06-13-2002			
	B4	PCT	WO 02/46189	06-13-2002			
	B5	PCT	WO 02/46190	06-13-2002			
	B6	PCT	WO 02/46193	06-13-2002			
	B7	PCT	WO 02/46749	06-13-2002			
	B8	PCT	WO 02/102377	12-27-2002			
SH	B9	PCT	WO 03/020889	03-13-2003			

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		Ctry. Code	Number-KindCode (if known)				
SA	B10	PCT	WO 03/043572	05-30-2003			
	B11	PCT	WO 03/045391	06-05-2003			
	B12	JP	9-208584	08-12-1997			
	B13	JP	9-255926	03-26-1999			X
	B14	JP	11-222432	08-17-1999			X
	B15	JP	2000-247884 (abs)	09-12-2000			X
	B16	EP	0 394 026	10-24-1990			
SA	B17	EP	1 104 764	06-06-2001			

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
SA	C1	Wozniak, et al., "The Amination of 3-nitro-1, 5-naphthyridines by Liquid Ammonia/Potassium Permanganate ^{1,2} . A New and Convenient Amination Method.", <u>Journal of the Royal Netherlands Chemical Society</u> , 102, pp 511-513, December 12, 1983.
	C2	Brennan, et al., "Automated Bioassay of Interferons in Micro-test Plates", <u>Biotechniques</u> , June/July, 78, 1983.
	C3	Testerman, et al., "Cytokine Induction by the Immunomodulators Imiquimod and S-27609", <u>Journal of Leukocyte Biology</u> , Volume 58, pp. 365-372, September 1995.
	C4	Bachman, et al., "Synthesis of Substituted Quinolylamines. Derivatives of 4-Amino-7-Chloroquinoline", <u>J. Org. Chem.</u> , 15, pp 1278-1284 (1950).
	C5	Jain, et al., "Chemical and Pharmacological Investigations of Some ω -Substituted Alkylamino-3-aminopyridines", <u>J. Med. Chem.</u> , 11, pp 87-92 (1968).
	C6	Baranov, et al., <u>Chem. Abs.</u> 85, 94362, (1976).
	C7	Berényi, et al., "Ring Transformation of Condensed Dihydro-as-triazines", <u>J. Heterocyclic Chem.</u> , 18, pp 1537-1540 (1981).
	C8	Chollet, et al., "Development of a Topically Active Imiquimod Formulation", <u>Pharmaceutical Development and Technology</u> , 4(1), pp 35-43 (1999)
	C9	Izumi, et al., "1H-Imidazo[4,5-c]quinoline Derivatives as Novel Potent TNF- α Suppressors: Synthesis and Structure-Activity Relationship of 1-, 2- and 4-Substituted 1H-imidazo[4,5-c]pyridines", <u>Bioorganic & Medicinal Chemistry</u> , 11, pp 2541-2550 (2003)
SA	C10	Sidky et al., "Inhibition of Murine Tumor Growth by an Interferon-inducing Imidazoquinolinamine", <u>Cancer Research</u> , 52, 3528-3533, July 1, 1992.

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JA	C11	R.L. Miller et al., "Imiquimod applied topically: a novel immune response modifier and new class of drug", <u>International Journal of Immunopharmacology</u> , 21, 1-14 (1999).
	C12	Karl R. Beutner, MD, et al., "Therapeutic response of basal cell carcinoma to the immune response modifier imiquimod 5% cream", <u>J.Am.Acad.Dermatol.</u> , Volume 41, Number 6, 1002-1007 (December 1999).
	C13	Davis et al., "Self-Administered Topical Imiquimod Treatment of Vulvar Intraepithelial Neoplasia", <u>Journal of Reproductive Medicine</u> , Volume 45, Number 8, 619-623, (August 2000).
JA	C14	Alexander Steinmann et al., "Topical Imiquimod Treatment of a Cutaneous Melanoma Metastasis", <u>J.Am.Acad.Dermatol.</u> , Letters, 555-556 (September 2000).

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